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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,526	09/29/2000	Ryan Robertson	24530.00400	1776

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EXAMINER

EWART, JAMES D

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 04/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/677,526

Applicant(s)

ROBERTSON ET AL.

Examiner

James D Ewart

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____ 6) ☐ Other: ____.

Oath/Declaration

1. One of the inventors, Benoit Vialle, didn't provide a date with his signature.

Specification

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. An improved title would be something to the effect of ""Combined PDA and mobile phone and method of receiving a call".
3. The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not). The first claim on page 37 is numbered 13. It has been renumbered to claim 17 and the claims after it have been renumbered accordingly.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 11 and 25 recites the limitation "the caller data". There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1 and 2 are rejected under 35 USC 103(a) as being unpatentable over Chmaytelli (U.S. Patent No 6,233,464) in view of O'Sullivan (6,091,947) and in further view of Sumner (U.S. Patent No. (6,091,947).

Referring to claims 1 and 2, Chmaytelli teaches a method of managing phone calls on a personal digital assistant having a phone device, the method comprising: receiving an incoming call signal from a telephone network (Column 1, Lines 32-36); checking an attachment status of a stylus device (Column 1, Lines 40-46); the attachment of the speaker device is an obvious modification to the attachment of the stylus device to enabling or disabling the phone because it's something the user would do prior using it), but doesn't teach checking an attachment status of a speaker device. O'Sullivan teaches checking an attachment status of a speaker device (Column 15, Lines 40 - 41). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli with the art of O'Sullivan of checking an attachment status of a speaker device to connect the incoming call if the headset is present (Column 15, Lines 41 - 42). The Chmaytelli and O'Sullivan combination teach the limitations of claim 1, but do not teach that if the phone is not enabled diverting the

incoming call to a voicemail application. Sumner teaches diverting the incoming call to a voicemail application (Figure 5; 406, 407, 408). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli and O'Sullivan with the art of Sumner of diverting the incoming call to a voicemail application when the handset is not disposed to receive normal voice (Column 2, Lines 36-37).

6. Claims 3, 4, 6, 7, 10, 13, 15, 17, 18, 20, 21, and 24 are rejected under 35 USC 103(a) as being unpatentable over Chmaytelli in view of Sumner.

Referring to claims 3, 4 and 13, Chmaytelli teaches a method of managing phone calls to a phone device of a personal digital assistant, wherein the phone call is transmitted from a device in a mobile phone network, the method comprising: determining a status of a radio switch of the personal digital assistant (Column 1, Lines 44-46) and managing a phone call to the phones device, wherein managing the phone call is based on the status of the radio (Column 1, Lines 32-48); but does not teach determining a status of a network coverage of the phone device and managing a phone call based on the status of the network coverage. Sumner teaches determining a status of network coverage of the phone device and managing a phone call based on the status of the network coverage (Figure 5; 406, 407, 408). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli with the art of Sumner of determining a status of a network coverage of the phone device and managing a phone call based on the status of the network coverage to divert an incoming call to a voicemail application when the handset is not disposed to receive normal voice (Column 2, Lines 36-37).

Referring to claims 17 and 18, Chmaytelli teaches a computer-readable medium carrying one or more sequences of one or more instructions for managing a phone call to a phone device of a personal digital assistant (Figure 4), the one or more sequences of one or more instructions including instructions which, when executed by one or more processors, cause the one or more processors to perform the steps of: determining a status of a radio switch of the personal digital assistant (Column 1, Lines 44-46); but does not teach determining a status of a network coverage of the phone device. Sumner teaches determining a status of network coverage of the phone device (Figure 5; 406, 407, 408). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli with the art of Sumner of a status of a network coverage of the phone device to divert an incoming call to a voicemail application when the handset is not disposed to receive normal voice (Column 2, Lines 36-37).

Referring to claims 6, 15 and 20, Sumner further teaches initiating a voicemail application (Figure 4; 406, 407, 408). Referring to claim 15, Sumner further teaches a display (Figure 6, Column 4, Line 1).

Referring to claims 7 and 21, Sumner further teaches receiving a voicemail notification from the mobile phone network; and displaying a voice mail notification message (Column 7, Lines 23-31).

Referring to claims 10 and 24, Sumner further teaches receiving a silence signal; and initiating a silence routine, wherein the silence routine is configured to send the phone call to a voicemail application (Figure 4; 406, 407, 408).

7. Claims 5, 14, 16 and 19 are rejected under 35 USC 103(a) as being unpatentable over Chmaytelli and Sumner and further in view of O'Sullivan.

Referring to claims 5, 14, 16 and 19, Chmaytelli and Sumner teach the limitations of claims 5 and 19, but do not teach receiving the phone call if an earplug device is plugged in, wherein the earplug device is plugged in if the earplug device is electrically connected and is configured to emit sound waves related to signals received from the personal digital assistant. O'Sullivan teaches receiving the phone call if an earplug device is plugged in, wherein the earplug device is plugged in if the earplug device is electrically connected and is configured to emit sound waves related to signals received from the personal digital assistant (Column 15, Lines 40 - 41). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli with the art of O'Sullivan of checking an attachment status of a speaker device to connect the incoming call if the headset is present (Column 15, Lines 41 - 42).

8. Claims 8, 9, 22, and 23 are rejected under 35 USC 103(a) as being unpatentable over Chmaytelli and Sumner and further in view of Rhodes (US Patent No. 6,343,120).

Referring to claims 8 and 22, Chmaytelli and Sumner teach the limitations of claims 8 and 22, but do not teach receiving caller data of the phone call, wherein the caller data includes information on a phone number associated with the phone call, and information on a name associated with the phone number; and displaying an incoming message, wherein the incoming message includes information related to the caller data. Rhodes teaches receiving caller data of the phone call, wherein the caller data includes information on a phone number associated with the phone call, and information on a name associated with the phone number; and displaying an incoming message, wherein the incoming message includes information related to the caller data (Column 1, Lines 32 – 58). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli and Sumner with the teaching of Rhodes of receiving caller data of the phone call, wherein the caller data includes information on a phone number associated with the phone call, and information on a name associated with the phone number; and displaying an incoming message, wherein the incoming message includes information related to the caller data to allow the subscriber to make a decision as to whether to answer the telephone call (Column 1, Lines 56-57).

Referring to claims 9 and 23, Rhodes further teaches wherein the information on the phone number is any of identifiable and unidentifiable, and wherein the information on the name is any of identifiable and unidentifiable (Column 1 Line 59 to Column 2, Line 3).

9. Claims 10 and 24 are rejected under 35 USC 103(a) as being unpatentable over Chmaytelli and Sumner and further in view of Link, II et al. (US Patent No. 6,334,054).

Referring to claims 10 and 24, Chmaytelli and Sumner teach the limitations of claims 10 and 24, but do not teach receiving a silence signal; and initiating a silence routine, wherein the silence routine is configured to send the phone call to a voicemail application. Link, II et al. teaches a silence signal; and initiating a silence routine, wherein the silence routine is configured to send the phone call to a voicemail application (Column 2, Lines 17 – 24). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli and Sumner with the art of Link, II et al. teaches a silence signal; and initiating a silence routine, wherein the silence routine is configured to send the phone call to a voicemail application to allow the user to screen calls (Column 2, Lines 38 – 39).

10. Claims 11 and 25 are rejected under 35 USC 103(a) as being unpatentable over Chmaytelli and Sumner in view of Cannon et al. (US Patent No. 6,026,152) and further in view of Rhodes.

Referring to claims 11 and 25, Chmaytelli and Sumner teach the limitations of claims 9 and 23, but do not teach initiating an answer routine, wherein the answer routine is configured to initiate: starting a timer configured to clock a period of time the phone call is being answered by the phone device of the personal digital assistant. Cannon et al. teaches initiating an answer routine, wherein the answer routine is configured to initiate: starting a timer configured to clock a period of time the phone call is being answered by the phone device of the personal digital assistant (Column 6, Lines 20 – 32). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli and Sumner with the art of Cannon et al of initiating an answer routine, wherein the answer routine is

configured to initiate: starting a timer configured to clock a period of time the phone call is being answered by the phone device of the personal digital assistant to provide a pre-recorded message if the timer times out (Column 6, Lines 29-30). The Chmaytelli, Sumner and Cannon et al. teach the limitations of claims 11 and 25, but do not teach displaying the caller data. Rhodes teaches displaying the caller data. (Column 1, Lines 32 – 58). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli, Sumner and Cannon et al with the teaching of Rhodes of displaying the caller data to allow the subscriber to make a decision as to whether to answer the telephone call (Column 1, Lines 56-57).

11. Claim 12 and 26 are rejected under 35 USC 103(a) as being unpatentable over Chmaytelli and Sumner and further in view of Wang et al. (US Patent No. 6,161,134).

Referring to claims 12 and 26, Chmaytelli and Sumner teach the limitations of claims 12 and 26 including a the call device is configured to be active if the phone call is being answered, but do not teach suspending a current application other than a call device and initiating the call device. Wang et al teaches suspending a current application other than a call device and initiating the call device (Column 23, Lines 50-57). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli and Sumner with the art of Wang et al of suspending a current application other than a call device and initiating the call device to allow the user to provide this feature as an operating parameter (column 23, Lines 50-51)

12. Claim 16 is rejected under 35 USC 103(a) as being unpatentable over Chmaytelli and Sumner and further in view of Harrison (US Patent No. 6,240,302).

Referring to claim 16, Chmaytelli and Sumner teach the limitations of claim 16 including answering a phone call and initiating a call application, but do not specifically teach a tap recognizer connected to the display device. Harrison teaches a tap recognizer connected to the display device (Figure 1). Therefore, at the time the invention was made, it would have been obvious to a person of ordinary skill in the art to combine the art of Chmaytelli and Sumner with the art of Harrison of providing a tap recognizer connected to the display device to easily make new appointments (Figure 1).

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ausems et al. discloses personal digital assistant with wireless telephone.

Ditzik U.S. Patent No. 5,983,073 discloses modular notebook and PDA computer systems for personal computing and wireless communications.

Hillenmayer U.S. Patent No. 5,719,936 discloses communication device for mobile operation having a telephone and notebook with display.

Kawakami et al. U.S. Patent No. 5,933,783 discloses portable terminal.

Application/Control Number: 09/677,526

Art Unit: 2683

Kim U.S. Patent No. 6,397,078 discloses combined mobile telephone and personal digital assistant.

Krieter U.S. Patent No. 5,526,411 discloses integrated hand-held portable telephone and personal computing device.

Nguyen U.S. Patent No. 5,797,089 discloses personal communications terminal having switches which independently energize a mobile telephone and a personal digital assistant.

Register et al. U.S. Patent No. 5,606,594 discloses communication accessory and method of telecommunicating for a PDA.

Sano et al. U.S. Patent No. 6,131,046 discloses altering displayed keys to indicate availability of service for a communications apparatus.

Takahara et al. U.S. Patent No. 5,450,613 discloses mobile communications equipment which detects and notifies when it is moved into or out of a service area.

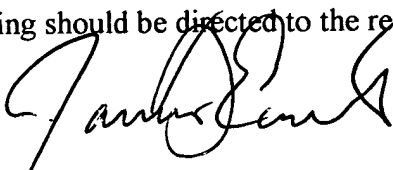
Tyneski et al. U.S. Patent No. 5,584,054 discloses communication device having a movable front cover for exposing a touch sensitive display


Zidel U.S. Patent No. 6,330,436 discloses enhanced wireless messaging notification system.

Application/Control Number: 09/677,526

Art Unit: 2683

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James D Ewart whose telephone number is (703) 305-4826. The examiner can normally be reached on M-F 7am - 4pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Trost can be reached on (703)308-5318. The fax phone numbers for the organization where this application or proceeding is assigned are (703)305-9508 for regular communications and (703)305-9508 for After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-3900.


Ewart
April 10, 2003


WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600